

Interscalene vs Phrenic-sparing Blocks in Obesity and Effect of Maximum Inspiratory Pressure

NCT07216820

Status	RECRUITING
Phase	Not Applicable
Sponsor	University of North Carolina, Chapel Hill
Enrollment	68 participants

Key Eligibility Criteria

Inclusion (6)

- Age \geq 18 years (self-report, confirmed on chart).
- Body-mass index \geq 35 kg m⁻² at the pre-operative clinic visit (chart).
- Scheduled for elective unilateral shoulder surgery (arthroscopy, arthroplasty, rotator cuff repair, reverse arthroplasty) under general anesthesia at UNC Hospitals
- Planned use of a single-injection regional brachial-plexus block for postoperative analgesia (anesthesia record).
- Able to perform a maximal-inspiratory-pressure (MIP) maneuver at screening, producing two reproducible efforts (bedside test) ... and 1 more (see full listing online)

Exclusion (11)

- Emergent or trauma shoulder procedure or case converted to open surgery (schedule/chart).
- Pregnancy confirmed by point-of-care urine test on day of surgery (POC test). Prisoner status or legal incapacity to consent (chart/interview).
- Severe pulmonary disease: GOLD stage 3-4 COPD, restrictive lung disease unrelated to obesity with FVC $<$ 50 % predicted, baseline dyspnea Borg \geq 3, or home oxygen therapy (pulmonary clinic notes, patient interview).
- Severe heart disease- Severe valvular heart disease, Congestive Heart Failure NYHA Class III or IV, Obstructive Coronary Artery Disease with Angina
- Neuromuscular disorders affecting respiratory muscles (e.g., ALS, myasthenia gravis) or known diaphragmatic paralysis (chart). ... and 6 more (see full listing online)

Locations (1 total)

University of North Carolina Hospitals, Chapel Hill, North Carolina, United States